



Arkansas Comprehensive Testing, Assessment, and Accountability Program

## Grade 11 Literacy Examination Raw To Scale Score Conversion Tables March 2007 Administration

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### Introduction

The *Raw to Scale Score Conversion Tables* provide information on raw scores attained by students for the *Grade 11 Literacy Examination*, and how those scores correspond with student scale scores.

**The attached *Raw to Scale Score Conversion Tables* are specific to the March 2007 administration of the *Grade 11 Literacy Examination* and do NOT apply to any other administration.**

### What are Scale Scores?

Scale Scores are transformed raw scores. For every possible raw score on a test form, there is a corresponding scale score, although a scale score may represent more than one raw score depending on the distribution of the results. When multiple forms of a test are used, or when results are compared from year to year, scale scores are needed to adjust for possible differences in test form length or difficulty. For example, it would not be possible to interpret a raw score of 50 items correct or points earned without knowing how many items are on the test and how difficult those items are.

### Why Use Scale Scores?

Scale scores provide a useful measurement tool for many assessment programs. They are used in numerous national testing programs, including the ACT and SAT examinations, which are typically part of the admissions process for colleges and universities. Scale scores are also routinely used in many other statewide testing programs, providing the basis for long-term, meaningful comparisons of student results across different test administrations.

Educators have always adjusted for differences in test length by changing from “number correct” scores to “percent correct” scores. The next step is to remove differences in item difficulty by moving to “scale scores.” To illustrate the value of this step, consider an examination with just two forms: Form A and Form B. If the items on Form A happen to be slightly more difficult than the items on Form B, one would expect a student to answer a higher percentage of items correctly if Form B were administered rather than Form A. However, a student should receive the same scale score for either form.

Scale scores are intended to make scores more meaningful by defining a scale of measurement that is not tied to a particular form of a test. However, to be meaningful, the scale must be tied to a benchmark that is meaningful to the user. The *Grade 11 Literacy Examination* was constructed so that a specific score corresponds to the Advanced, Proficient, Basic, and Below Basic performance levels. In the future, these values may correspond to different raw scores, but they will have the same meaning in terms of student performance.

## March 2007 Scale Scores

The attached *Raw to Scale Score Conversion Tables* list the total number of raw score points available for Grade 11 Literacy as well as the associated scale scores

The table below lists the performance levels and associated scale scores ranges for the *Grade 11 Literacy Examination*. **Again, the scale score information listed in this table is specific to the March 2007 administration of the *Grade 11 Literacy Examination* and does NOT apply to any other administration.**

### 2007 Grade 11 Literacy Examination Scale Score Ranges

Performance Levels	Grade 11 Literacy Scale Scores
Below Basic	0–168
Basic	169–199
Proficient	200–249
Advanced	250–312

The *Grade 11 Literacy Examination Report Interpretation Guide* contains more information on the development of the performance levels. For additional information about the results and information on student performance, please contact:

Dr. Gayle Potter, Associate Director  
Curriculum, Assessment, and Research  
Arkansas Department of Education  
4 State Capitol Mall, Room 106A  
Little Rock, AR 72201-1071  
Telephone: 501-682-4558

## 2007 Grade 11 Literacy Examination Raw to Scale Score Conversion Tables

BELOW BASIC			
Raw Score	Scale Score	Raw Score	Scale Score
0	39	41-42	136
1	65	43-44	137
2	79	45-46	138
3	87	47-48	139
4	92	49-50	140
5	97	51-52	141
6	100	53-54	142
7	103	55-56	143
8	106	57-58	144
9	108	59-60	145
10	110	61-62	146
11	111	63-64	147
12	113	65-66	148
13	114	67-68	149
14	116	69-70	150
15	117	71-72	151
16	118	73-74	152
17	119	75-76	153
18	120	77-78	154
19	121	79-80	155
20	122	81	156
21	123	82-83	157
22	124	84-85	158
23-24	125	86-87	159
25	126	88-89	160
26	127	90-91	161
27-28	128	92	162
29	129	93-94	163
30-31	130	95-96	164
32-33	131	97-98	165
34	132	99-100	166
35-36	133	101	167
37-38	134	102-103	168
39-40	135		

BASIC	
Raw Score	Scale Score
104-105	169
106-107	170
108	171
109-110	172
111-112	173
113	174
114-115	175
116-117	176
118-119	177
120	178
121-122	179
123-124	180
125	181
126-127	182
128	183
129-130	184
131-132	185
133	186
134-135	187
136	188
137-138	189
139	190
140-141	191
142	192
143-144	193
145	194
146	195
147-148	196
149	197
150	198
151-152	199

PROFICIENT	
Raw Score	Scale Score
153	200
154	201
155-156	202
157	203
158	204
159	205
160	206
161	207
162	208
163	209
164	210
165	211
166	212
167	213
168	214
169	215
170	216
171	217
172	218
173	220
174	221
175	223
176	224
177	226
178	227
179	229
180	231
181	233
182	235
183	238
184	240
185	243
186	247

ADVANCED	
Raw Score	Scale Score
187	251
188	256
189	262
190	271
191	286
192	312